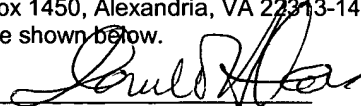




PATENT
TH2229 (US)
DFH:EM

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on or before the date shown below.


Donald F. Haas
Date: July 25, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)	
)	
PAUL M. AYOUB, STEVEN C. SUMROW,)	
HENK DIRKZWAGER, and)	
BRENDAN D. MURRAY)	
)	
Serial No. 10/772,023)	Group Art Unit: 1764
)	
Filed February 4, 2004)	Examiner: John Christopher Douglas
)	
METHODS OF PREPARING BRANCHED)	July 25, 2006
ALKYL AROMATIC HYDROCARBONS)	
)	

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

FEE AND INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.


The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

FEE

The Commissioner is hereby authorized to charge to Deposit Account No. 19-1800, the fee associated with the filing of this Information Disclosure Statement.

Respectfully submitted,

PAUL M. AYOUB, STEVEN C. SUMROW,
HENK DIRKZWAGER, and
BRENDAN D. MURRAY

By 
Attorney, Donald F. Haas
Registration No. 26,177
(713) 241-3356

P.O. Box 2463
Houston, Texas 77252-2463

FORM PTO-1449 (Modified)

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TH2229APPLICATION NUMBER
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(Use several sheets if necessary)

APPLICANT
P. M. Ayoub et al.FILING DATE
February 4, 2004GROUP ART UNIT
1764

REFERENCE DESIGNATION

PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,438,287	3/20/84	Imai	568	909	
	AB	3,907,909	9/23/75	Maculoso Sr. et al.	260	632 HF	
	AC	5,849,960	12/15/98	Singleton et al.	568	909	
	AD	2002/0004621	1/10/02	Xu et al.	585	260	
	AE	2002/0087040	7/4/02	Marchionna et al.	585	331	
	AF	6,414,199	7/2/02	Saruwatari	68	728	
	AG	2,930,763	3/29/60	Haensel	252	441	
	AH	6,150,322	11/21/00	Singleton et al.	510	426	
	AI	6,737,553	5/18/04	Maas et al.	568	909	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	1,601,818	6/27/77	Great Britain	C07C	31/02		
	AM	0,668,342	8/23/94	Europe	C01B	33/28		
	AN	0,211,381 A1	2/25/87	Europe	C07C	7/163		
	AO	00/12451	3/9/00	World	C07C	7/13		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	"Sasol Detergent Alcohols," Preliminary Sasol R&D Technical Bulletin, 25 November 1996, pp. 1-13, XP002932342
	AS	Flanigen et al., "Aluminophosphate Molecular Sieves and the Periodic Table," New Developments in Zeolite Science Technology, 1986, Kodansha Ltd., Tokyo, Japan, pp. 103-112
	AT	"Alcohols, Higher Aliphatic," Kirk Othmer Encyclopedia of Chemical Technology, 2000, Fourth Edition, John Wiley & Sons, pp. 865-913

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U.S. PATENT DOCUMENTS

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	BA	6,008,181	12/28/99	Cripe et al.	510	426	
	BB	6,015,781	1/18/00	Vinson et al.	510	302	
	BC	6,020,303	2/1/00	Cripe et al.	510	503	
	BD	6,046,152	4/4/00	Vinson et al.	510	428	
	BE	6,060,443	5/9/00	Cripe et al.	510	426	
	BF	6,087,309	7/11/00	Vinson et al.	510	125	
	BG	6,133,222	10/17/00	Vinson et al.	510	428	
	BH	6,320,080	11/20/01	Connor	568	28	
	BI	6,326,348	12/4/01	Vinson et al.	510	428	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
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	BL	0,055,529	7/7/82	Europe	C01B	33/34		
	BM	0,103,981	3/28/84	Europe	C01B	33/28		
	BN	0,583,836	2/23/94	Europe	C10G	65/12		
	BO							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	BR	Edward J. Wickson, Editor, "Monohydric Alcohols; Manufacture, Applications and Chemistry," American Chemical Society Symposium Series 159, 1981, pp. 72-164
	BS	
	BT	

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Examiner Initial		Document Number	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	CA	6,433,207	8/13/02	Connor	558	31	
	CB	5,780,694	7/14/98	Singleton	568	909	
	CC	2003/0120118	6/26/03	Betts et al.	568	451	
	CD	3,442,965	5/6/69	Oldham	260	671	
	CE	6,388,162	5/14/02	Himelfarb et al.	585	809	
	CF	6,765,106	7/20/04	Fenouil et al.	558	41	
	CG	6,492,568	12/10/02	Murray et al.	568	909	
	CH	5,112,519	5/12/92	Giacobbe et al.	252	174.21	
	CI	6,222,077	4/24/01	Singleton	568	909	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	CL							
	CM							
	CN							
	CO							

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	CR	
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	CT	

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Examiner Initial		Document Number	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	DA	5,849,960	12/15/98	Singleton et al.	568	909	
	DB	6,150,322	11/21/00	Singleton et al.	510	426	
	DC	2,620,314	12/2/52	Hoekstra	252	448	
	DD	3,231,621	1/25/66	Slaugh	260	604	
	DE	3,239,566	3/8/66	Slaugh	260	604	
	DF	3,239,569	3/8/66	Slaugh	260	632	
	DG	3,239,570	3/8/66	Slaugh	260	632	
	DH	3,239,571	3/8/66	Slaugh	260	632	
	DI	3,274,287	9/20/66	Moore et al.	260	683.3	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	DL							
	DM							
	DN							
	DO							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	DR	
	DS	
	DT	

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	EA	3,315,007	4/18/67	Abell, Jr. et al.	260	683.3	
	EB	3,315,008	4/18/67	Abell, Jr. et al.	260	683.3	
	EC	3,400,163	9/3/68	Mason et al.	260	606.5	
	ED	3,420,875	1/7/69	DiSalvo et al.	260	513	
	EE	3,420,893	1/7/69	Faltings et al.	260	618	
	EF	3,428,654	2/18/69	Rubinfeld et al.	260	327	
	EG	3,440,291	4/22/69	Van Winkle et al.	260	632	
	EH	3,448,157	6/3/69	Slaugh et al.	260	604	
	EI	3,462,525	8/19/69	Levinsky	424	56	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	EL							
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	EN							
	EO							

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	ET	

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	FA	3,488,158	1/6/70	Bentley et al.	23	258.5	
	FB	3,496,203	2/17/70	Morris et al.	260	439	
	FC	3,496,204	2/17/70	Morris et al.	260	439	
	FD	3,501,515	3/17/70	Van Winkle et al.	260	439	
	FE	3,506,580	4/14/70	Rubinfeld et al.	252	138	
	FF	3,527,818	9/8/70	Mason et al.	260	632	
	FG	3,676,523	7/11/72	Mason	260	683	
	FH	3,686,351	8/22/72	Mason	260	683.15	
	FI	3,737,475	6/5/73	Mason	260	683.15	

FOREIGN PATENT DOCUMENTS

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	FL							
	FM							
	FN							
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	FS	
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	GA	3,745,112	7/10/73	Rausch	208	139	
	GB	3,579,537	5/18/71	Rubinfeld et al.	260	327	
	GC	4,016,245	4/5/77	Plank et al.	423	328	
	GD	4,020,121	4/26/77	Kister et al.	260	683.15	
	GE	4,251,499	2/17/81	Nanne et al.	423	329	
	GF	4,375,573	3/1/83	Young	585	467	
	GG	4,430,517	2/7/84	Imai et al.	585	660	
	GH	4,506,032	3/19/85	Imai et al.	502	223	
	GI	4,578,259	3/25/86	Morimoto et al.	423	329	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
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	GL							
	GM							
	GN							
	GO							

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	GS	
	GT	

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	HA	4,579,986	4/1/86	Sie	585	324	
	HB	4,795,623	1/3/89	Evans	423	328	
	HC	4,942,027	7/17/90	Evans	423	328	
	HD	5,012,021	4/30/91	Vora et al.	585	315	
	HE	5,112,519	5/12/92	Giacobbe et al.	252	174.21	
	HF	5,169,824	12/8/92	Saleh et al.	502	259	
	HG	5,276,990	1/11/94	Ramirez	43	17.5	
	HH	5,292,990	3/8/94	Kantner et al.	585	820	
	HI	5,371,308	12/6/94	Gosselink et al.	585	251	

FOREIGN PATENT DOCUMENTS

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	IA	5,510,306	4/23/96	Murray	502	64	
	IB	5,648,584	7/15/97	Murray	585	666	
	IC	5,648,585	7/15/97	Murray et al.	585	671	
	ID	5,849,972	12/15/98	Vicari et al.	585	531	
	IE	5,985,238	11/16/99	Pasquale et al.	423	706	
	IF	6,150,322	11/21/00	Singleton et al.	510	426	
	IG	6,222,077	4/24/01	Singleton	568	909	
	IH	6,225,518	5/1/01	Sohn et al.	585	826	
	II	6,448,435	9/10/02	Jacobson et al.	562	39	

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							Yes	No
	IL							
	IM							
	IN							
	IO							

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	JA	6,462,215	10/8/02	Jacobson et al.	558	41	
	JB	6,765,106	7/20/04	Fenouil et al.	558	41	
	JC	6,657,092	12/2/03	Dirkswager et al.	568	909	
	JD	6,770,191	8/3/04	Ansorge et al.	208	67	
	JE						
	JF						
	JG						
	JH						
	JI						

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	JL							
	JM							
	JN							
	JO							

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	JR						
	JS						
	JT						

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